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FIG. 1A PRIOR ART

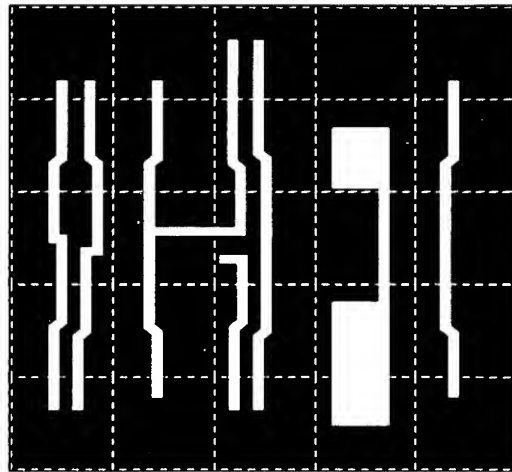


FIG. 1B PRIOR ART

$T(i-2,j-2)$	$T(i-1,j-2)$	$T(i,j-2)$	$T(i+1,j-2)$	$T(i+2,j-2)$
$T(i-2,j-1)$	$T(i-1,j-1)$	$T(i,j-1)$	$T(i+1,j-1)$	$T(i+2,j-1)$
$T(i-2,j)$	$T(i-1,j)$	$T(i,j)$	$T(i+1,j)$	$T(i+2,j)$
$T(i-2,j+1)$	$T(i-1,j+1)$	$T(i,j+1)$	$T(i+1,j+1)$	$T(i+2,j+1)$
$T(i-2,j+2)$	$T(i-1,j+2)$	$T(i,j+2)$	$T(i+1,j+2)$	$T(i+2,j+2)$

FIG. 1C PRIOR ART

0.03	0.02	0.08	0	0.02
0.25	0.13	0.25	0.70	0.13
0.25	0.20	0.30	0.13	0.13
0.25	0.13	0.25	0.80	0.13
0.05	0.02	0.05	0.70	0.02

FIG. 2

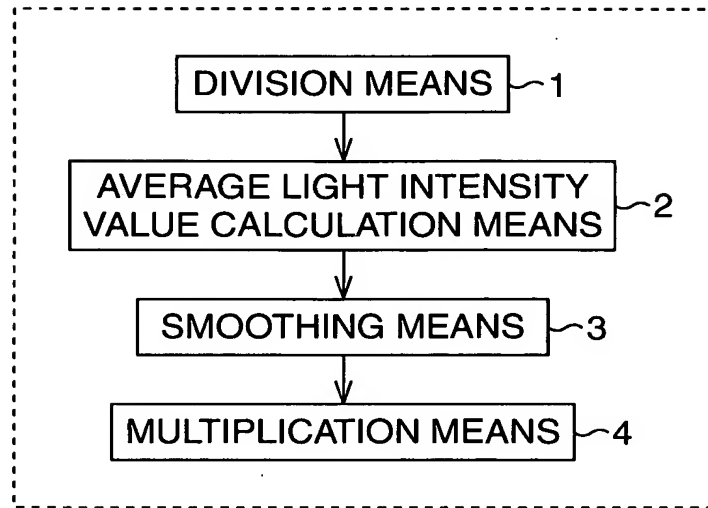


FIG. 3

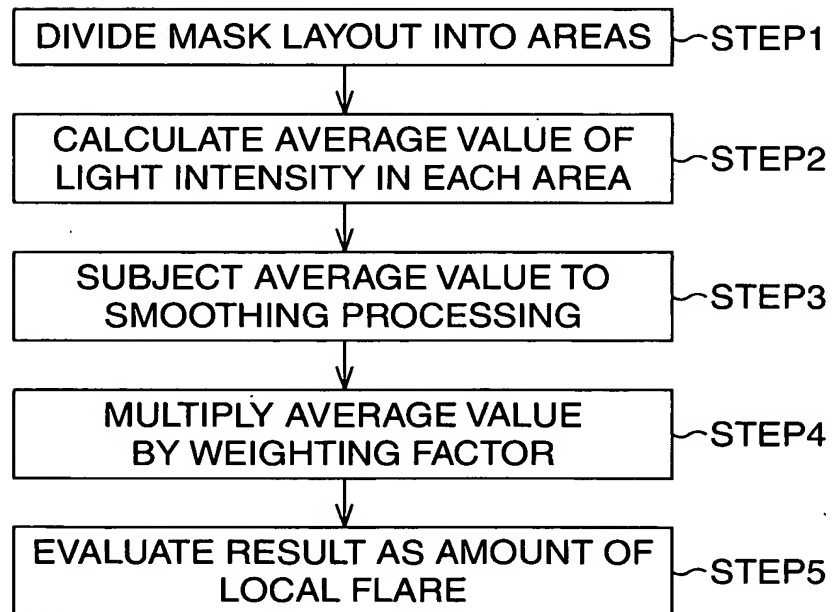


FIG. 4A

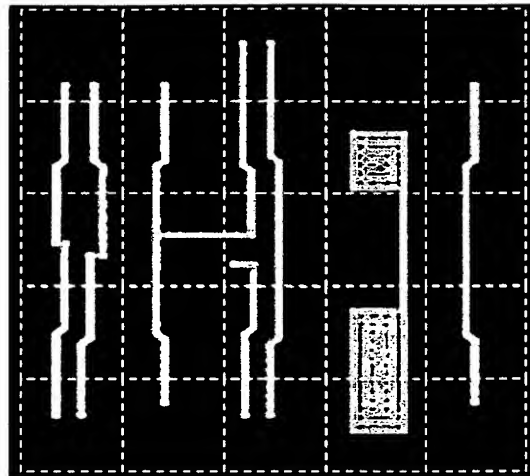


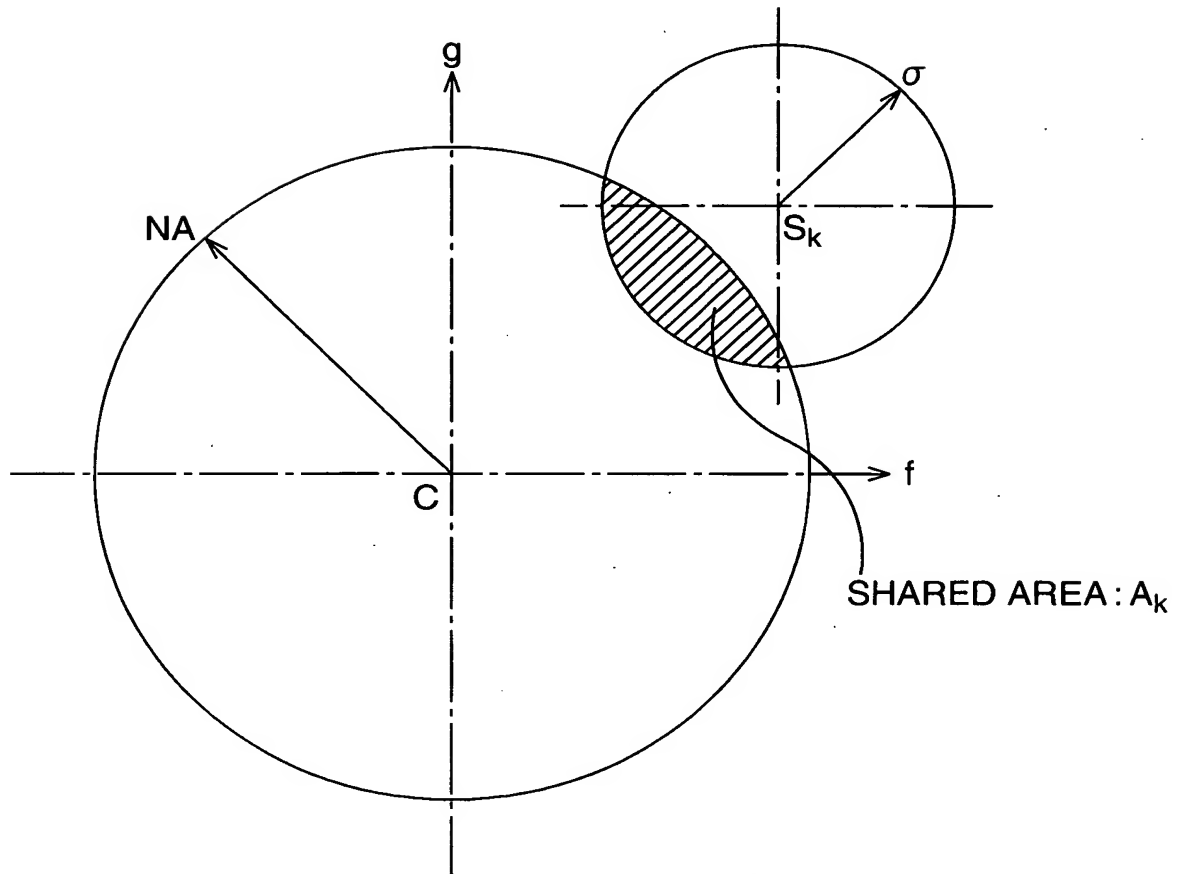
FIG. 4B

$l(i-2,j-2)$	$l(i-1,j-2)$	$l(i,j-2)$	$l(i+1,j-2)$	$l(i+2,j-2)$
$l(i-2,j-1)$	$l(i-1,j-1)$	$l(i,j-1)$	$l(i+1,j-1)$	$l(i+2,j-1)$
$l(i-2,j)$	$l(i-1,j)$	$l(i,j)$	$l(i+1,j)$	$l(i+2,j)$
$l(i-2,j+1)$	$l(i-1,j+1)$	$l(i,j+1)$	$l(i+1,j+1)$	$l(i+2,j+1)$
$l(i-2,j+2)$	$l(i-1,j+2)$	$l(i,j+2)$	$l(i+1,j+2)$	$l(i+2,j+2)$

FIG. 4C

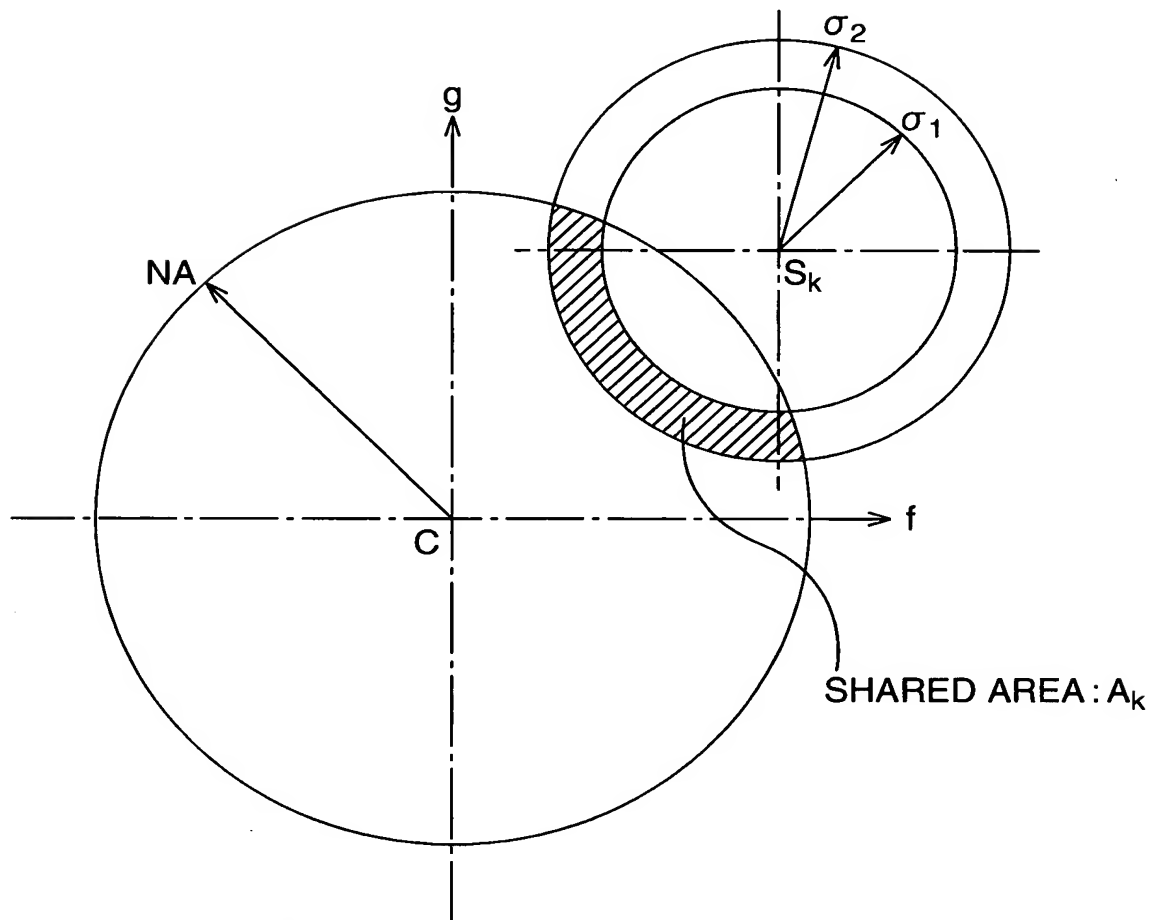
0.02	0.01	0.06	0	0.01
0.20	0.10	0.20	0.56	0.10
0.20	0.16	0.24	0.10	0.10
0.20	0.10	0.20	0.64	0.13
0.04	0.01	0.04	0.56	0.01

FIG. 5



C : CENTER OF LENS
S_k : POSITION OF DIFFRACTED LIGHT
NA : NUMERICAL APERTURE OF LENS
σ : DIAMETER OF LIGHT SOURCE WITH RESPECT TO NA
(INTERFERENCE FACTOR)

FIG. 6



- C : CENTER OF LENS
 S_k : POSITION OF DIFFRACTED LIGHT
 NA : NUMERICAL APERTURE OF LENS
 σ_1 : INTERNAL DIAMETER OF RING-SHAPED LIGHT SOURCE WITH
 RESPECT TO NA
 σ_2 : EXTERNAL DIAMETER OF RING-SHAPED LIGHT SOURCE WITH
 RESPECT TO NA

FIG. 7

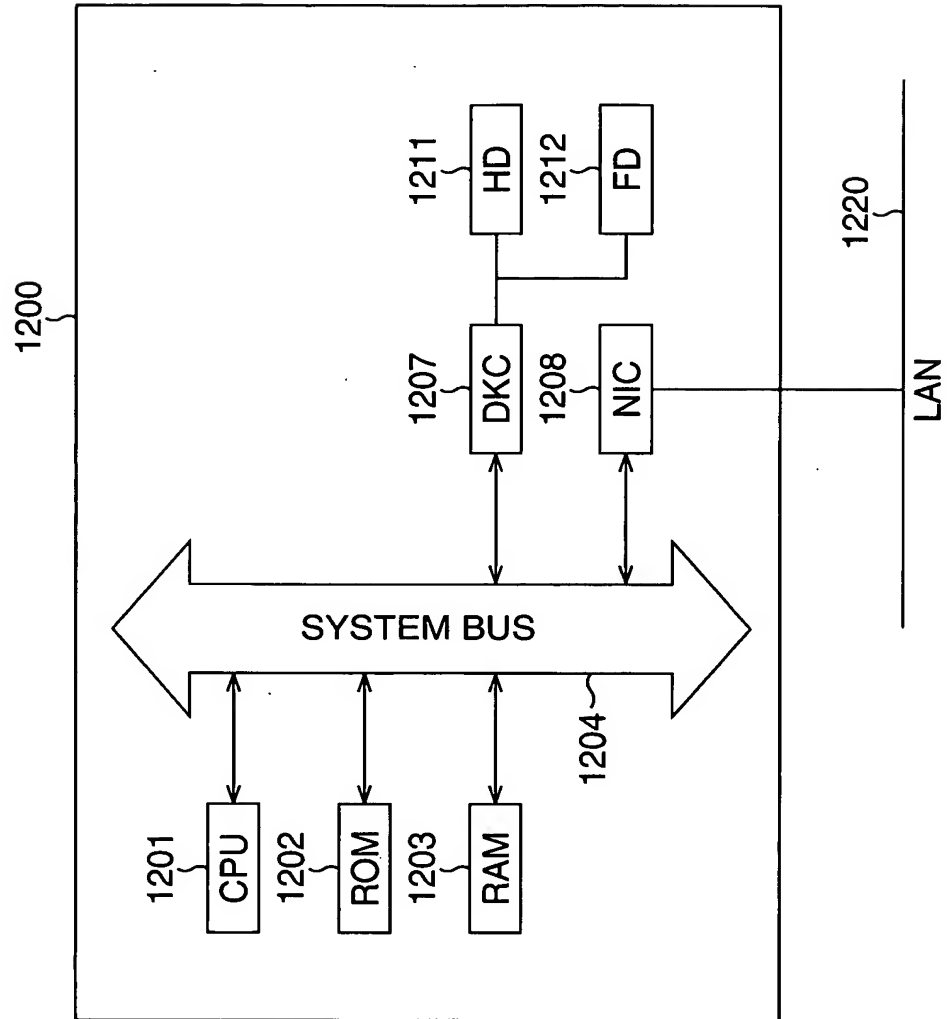


FIG. 8

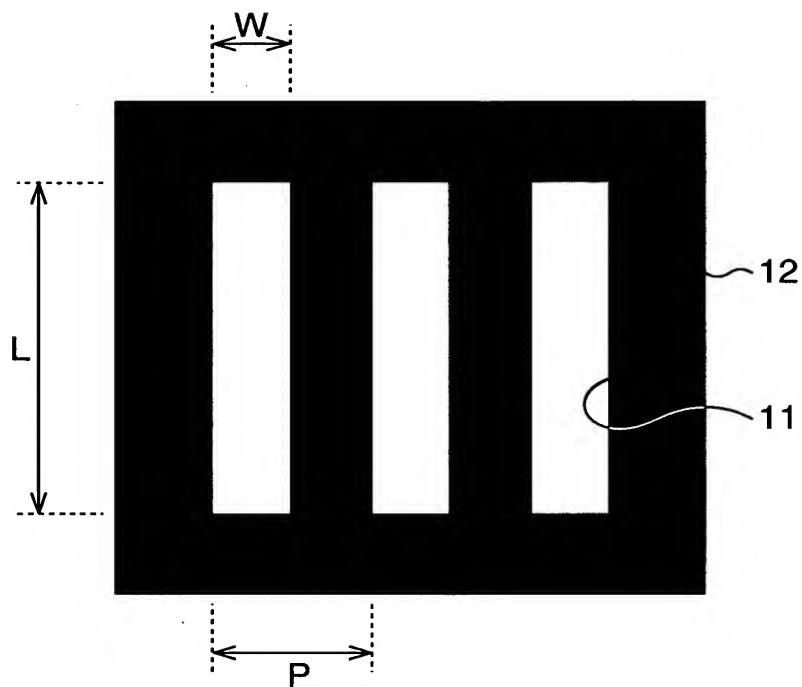


FIG. 9

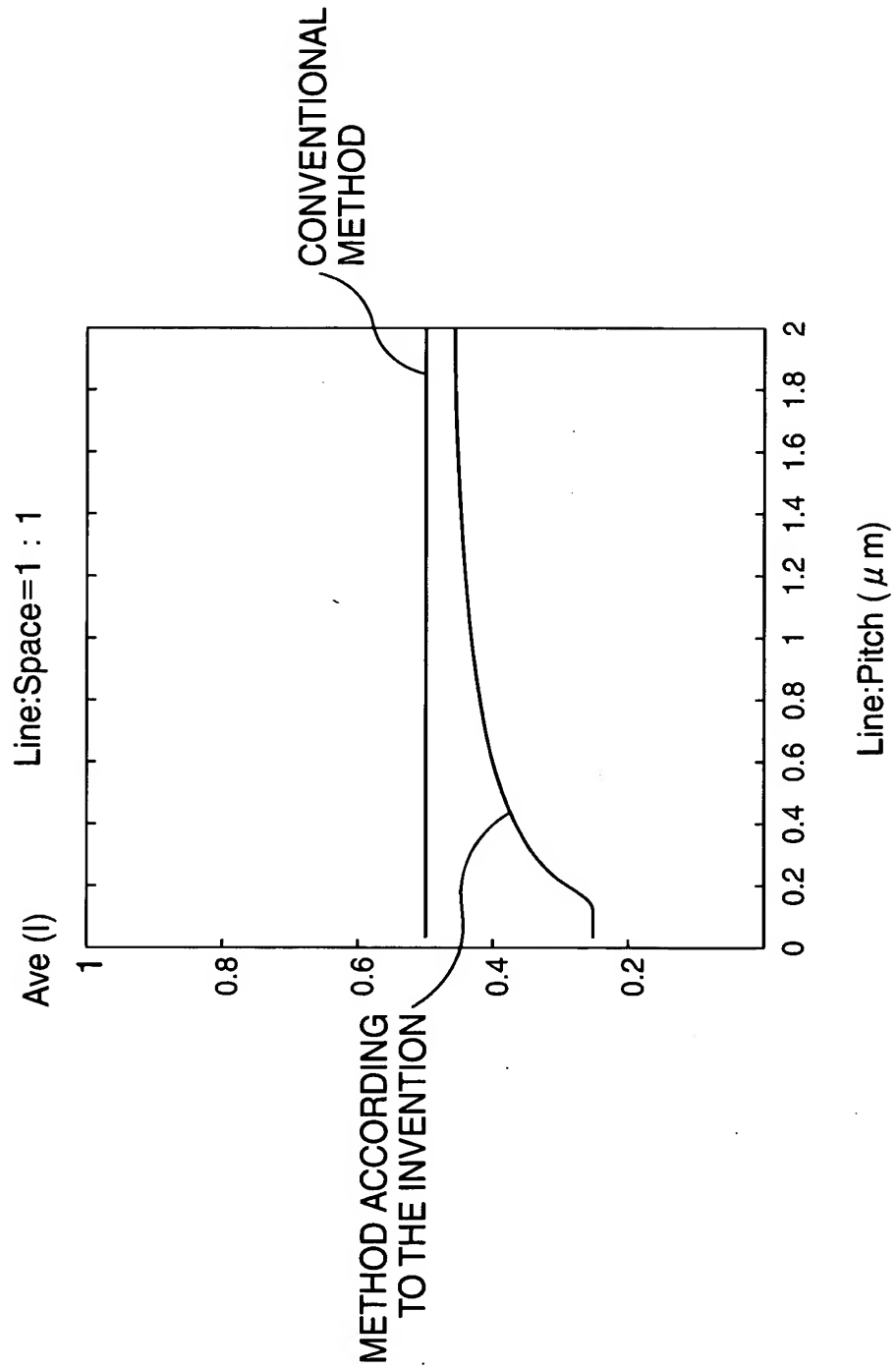


FIG. 10

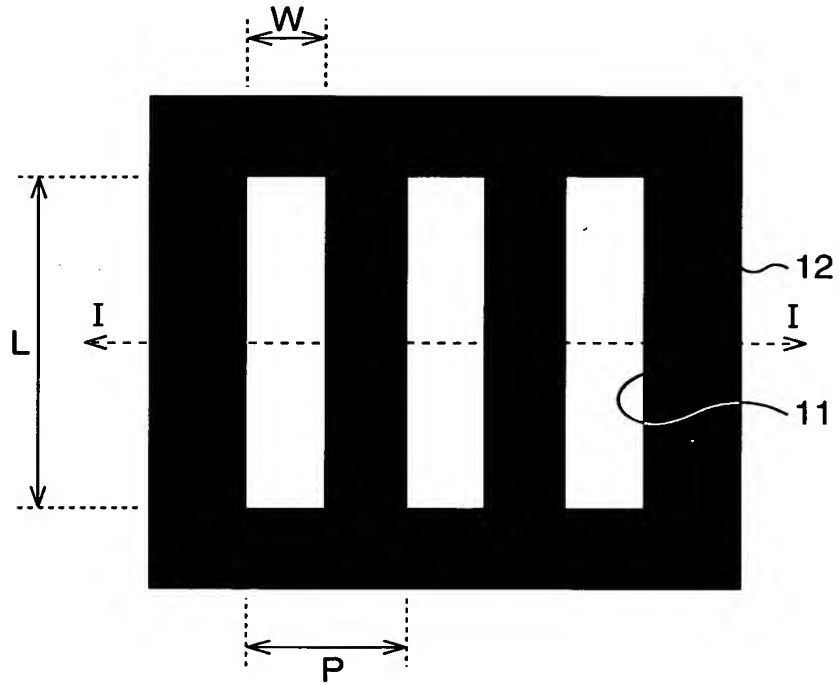
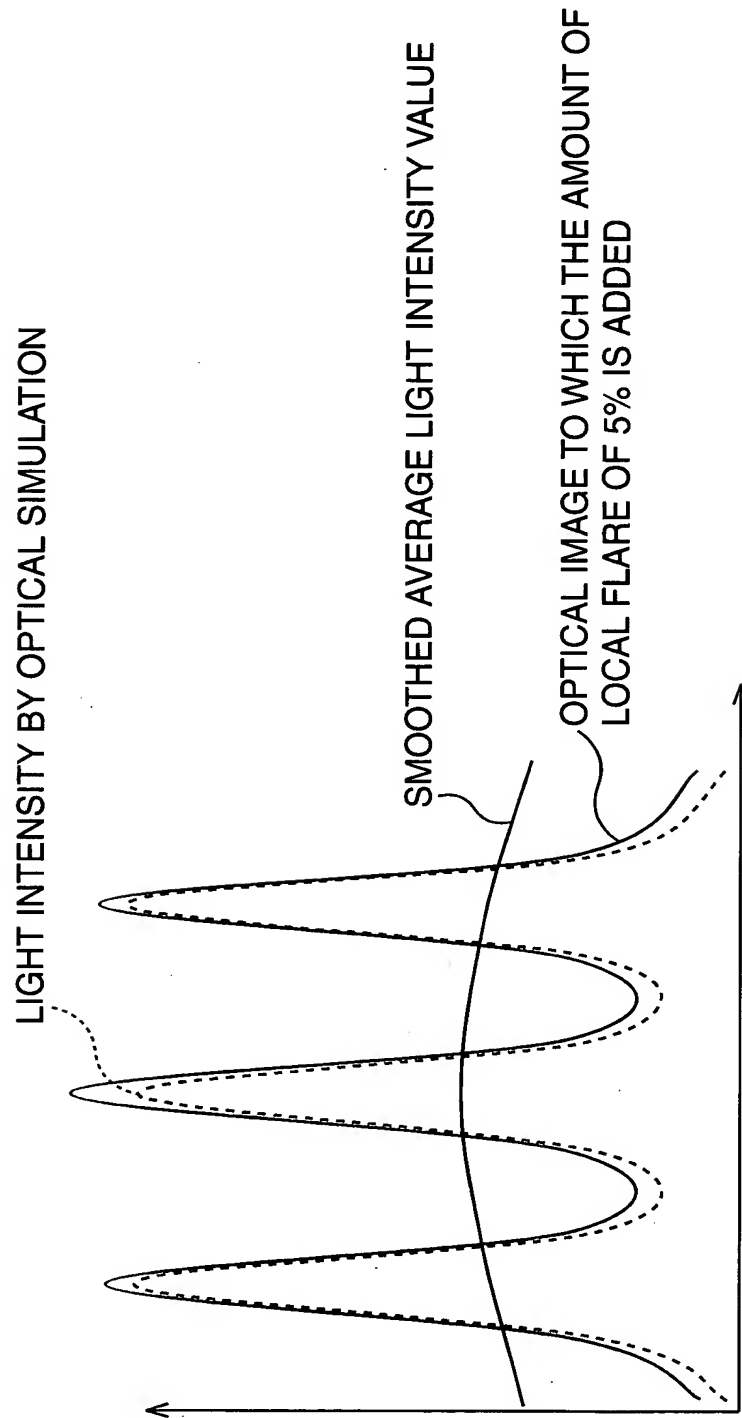


FIG. 11



LIGHT INTENSITY IN CROSS SECTION OF I-I